



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Watershed Permitting Program
Sanitary Sewer Overflow (SSO)/Bypass
Notification Form

FOR DEP USE ONLY

Tax Identification Number

A. Reporting Facility

1. Facility Information

Hull, MA WPCF

MA0101231

Reporting Sewer Authority

Permit #

2. Authorized Representative Transmitting Form:

Aram

Varjabedian

781-925-0906

First Name

Last Name

Telephone No.

Plant Manager

avarjabedian@woodardcurran.com

Title

E-mail Address

B. Phone Notifications:

1. MassDEP staff contacted:

Contacted By Email

David

First Name

Burns

Last Name

Date/Time contacted:

03/14/2018 03:29 PM

Contacted by:

2. EPA staff contacted:

Contacted by: Email

David

First Name

Turin

Last Name

Date/Time EPA contacted:

03/14/2018 03:29 PM

3. Board of Health contacted:

Contacted by: Email

Joyce

First Name

Sullivan

Last Name

Date/Time contacted:

03/14/2018 03:29 PM

4. Others notified:

HSD Wastewater Division Manager /John Struzziery; Harbormaster / Shelfish Warden - Kurt Bornheim; Division of Marine Fisheries - Ryan Joyce; Hull Conservation Agent - Chris Krahforst; DPW Director - Jim Dow; Town Manager - Philip Lemnios

Contacted by: Email

Comments Also Inform John Struzziery, Hull Wastewater Division Manager at time of incident



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C. SSO Information

1. SSO Discovered:

By: Plant Staff - Joe Basler, Dave Wilson

Date and Time 3/13/2018 17:15

2. SSO Stopped Date and Time

3/13/2018 17:18

3. SSO Discharge from:

Pump Station

Sanitary Manhole, Pump Station, Backup into property, Other - Specify Below

Specify: Discharge hose from portable trash pump. Attempting to pump down wet well during power outage, using the Force Main bypass con

4. SSO Discharge to:

Ground Surface

Ground Surface, Direct to Receiving Water, Catch Basin to Receiving Water, Backup into Basement

Specify:

Location:

pump station address - 42 Valley Beach Rd.

(Description of discharge site or closest address)

X,Y Coordinates 42.267892, -70.846165

5. Estimated SSO Volume at time of this Report:

< 100 gallons

Method of Estimating Volume:

Visual - hard to estimate, but quick response by staff to close force main isolation valve and shut off pu

Other Method:

6. Cause of SSO Event:

Other - Specify Below

Rain Event, PS Failure, Insufficient Capacity in System, Treatment Unit failure, Sewer System Blockage, Pipe Collapse, Root Intrusion, Grease Blockage, Other

Specify: Station power loss issue, due to town-wide outage and portable generator failure, led to attempt to try and pump down wetwell using a portable trash pump. Discharge hose on pump broke apart causing release.

7. Corrective Actions :

Attempts to use bypass pump not successful, therefore plans halted. Co-ordinate for another portable generator from rental company, and had electrician connect in.

Impact Area cleaned and/or disinfected:

Yes

Corrective Actions Completed:

Yes

Details: Spilled sewage on ground area, absorbed by snow and rain. Mostly all infiltrated groundwater.



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D. Comments/Attachments/Follow-up

Additional comments and planned actions:

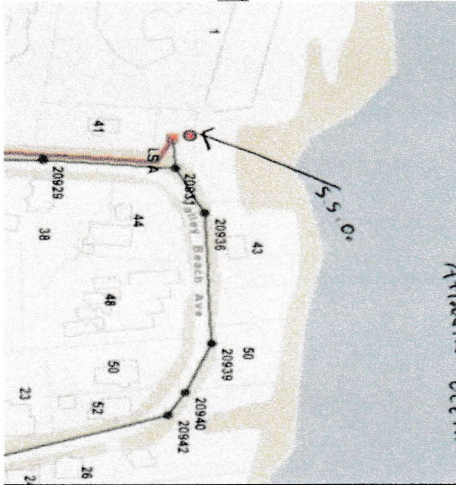
Further evaluation of bypass hook up and investigation on why pump could not pump from wetwell into force main needed.

I wish to provide the following:

Attachment

Attachment, Additional Comments, No Additional Comments or Attachments

Map



GIS map showing Lift Station A

Photo 1



Hose in foreground with broken end connection

Manhole is the wetwell, and slightly behind wetwell is the bypass connection. Pump was up just in front of manhole.

Photo 2



Area to left of building

Photo 3



Rental Emergency generator that was brought in to maintain station



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E. Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative

03/18/2018

Date Signed

Please keep a copy of this report for your records. When submitting additional information, include the MassDEP Incident Number from this report.

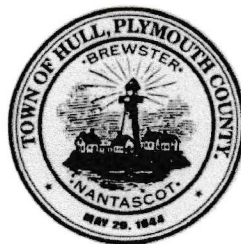
MassDEP Regional Office and EPA Telephone and Fax Numbers:

Northeast Phone: 978-694-3215
Southeast Phone: 508-946-2750
Central R Phone: 508-792-7650
Western F Phone: 413-784-1100
EPA Cont Phone: 617-918-1870
DEP 24-hr Phone: 888-304-1133

Fax: 978-694-3499
Fax: 508-947-6557
Fax: 508-792-7621
Fax: 413-784-1149
Fax: 617-918-0870

Town of Hull Wastewater Treatment Plant

1111 Nantasket Avenue
Hull, MA 02045
(781) 925-1207



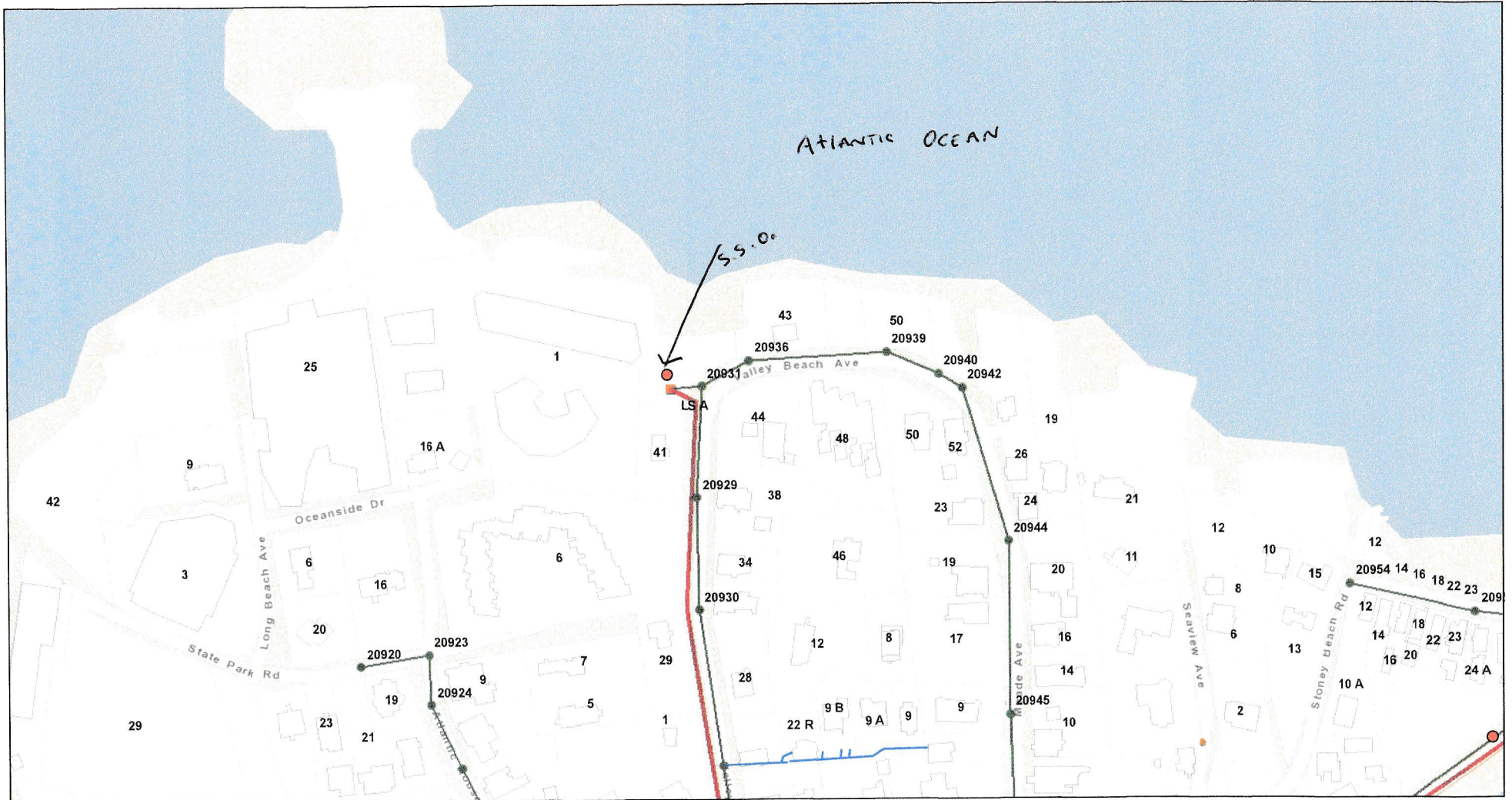
NPDES Permit #
MA0101231

Unauthorized Discharge Summary to Surface Waters Lift Station A [3/13/18]

Location (address or latitude and longitude);	<i>On SSO form</i>
Date and Time unauthorized discharge began;	<i>On SSO form</i>
Date and Time unauthorized discharge stopped;	<i>On SSO form</i>
Source of the notification (e.g., property owner, field crew, police);	<i>On SSO form</i>
Type of asset from which the unauthorized discharge occurred (e.g., station, manhole, main);	<i>Portable diesel trash pump discharge hose connected to force main bypass connection at this lift station.</i>
Estimated gallons released;	<i>On SSO form</i>
Method used to estimate volume;	<i>On SSO form</i>
Cause of the unauthorized discharge, (blockage or break; mechanical, electrical, or structural failures);	<i>On SSO form; mechanical connection on discharge hose broke apart.</i>
If caused by a blockage, identify the type of blockage (e.g., grease, rags, debris);	<i>Rags, debris</i>
If caused by a mechanical, electrical, or structural failure, the date of the last inspection, maintenance, or repair of the failed asset;	<i>This equipment including set of hoses had been used in previous week prior to date of incident.</i>
Did the release reach any portion of the Town's Municipal Separate Storm Sewer System ("MS4").	<i>No, release limited to ground adjacent to left side of building.</i>
If the release occurred to the ground, provide the location of the nearest down-gradient catch	<i>Area is adjacent to ocean, no down gradient catch basin.</i>

basin and the name of the receiving water to which the catch basin discharges;	
Did the release reach a wetland or surface water? If so, include the name and exact location where?	<i>No release reached Atlantic Ocean.</i>
Measures taken to minimize the volume and duration of the unauthorized discharge;	<i>See corrective action on SSO form</i>
Measures taken to clean the area where the unauthorized discharge occurred;	<i>Sewage spilled onto adjacent ground surface only.</i>
Corrective actions taken to prevent reoccurrence of unauthorized discharges at the same location;	<i>Further investigation of the bypass connection & to determine why process could not be handled as expected.</i>
Date of the last unauthorized discharge in the same general location;	<i>11/25/15</i>

Hull Waste Water



March 18, 2018

LAT 42.267892
LONG -70.846165

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

Aram Varjabedian

From: Aram Varjabedian
Sent: Wednesday, March 14, 2018 4:29 PM
To: Aram Varjabedian; Berardinelli, Terri; Bill Boornazian; david.burns (david.burns@state.ma.us); Dow, James (jdow@town.hull.ma.us); Frank Cavaleri; jstruzziery (jstruzziery@town.hull.ma.us); jsullivan (jsullivan@town.hull.ma.us); Kate Roosa (kroosa@woodardcurran.com); kbornheim (kbornheim@town.hull.ma.us); Krahforst, Chris (ckrahforst@town.hull.ma.us); Lemnios, Philip (plemnios@town.hull.ma.us); O'Connor, Carol; Robert Scott (rscott@woodardcurran.com); Turin, David (Turin.David@epa.gov); Joyce, Ryan (FWE) (ryan.joyce@state.ma.us)
Subject: Sanitary System Overflow Notification - Hull, MA - MA0101231

Tracking:	Recipient	Delivery	Read
	Aram Varjabedian	Delivered: 3/14/2018 4:28 PM	Read: 3/14/2018 4:30 PM
	Berardinelli, Terri		
	Bill Boornazian	Delivered: 3/14/2018 4:28 PM	
	david.burns (david.burns@state.ma.us)		
	Dow, James (jdow@town.hull.ma.us)		
	Frank Cavaleri	Delivered: 3/14/2018 4:28 PM	
	jstruzziery (jstruzziery@town.hull.ma.us)		
	jsullivan (jsullivan@town.hull.ma.us)		
	Kate Roosa (kroosa@woodardcurran.com)	Delivered: 3/14/2018 4:28 PM	
	kbornheim (kbornheim@town.hull.ma.us)		
	Krahforst, Chris (ckrahforst@town.hull.ma.us)		
	Lemnios, Philip (plemnios@town.hull.ma.us)		
	O'Connor, Carol		
	Robert Scott (rscott@woodardcurran.com)	Delivered: 3/14/2018 4:28 PM	
	Turin, David (Turin.David@epa.gov)		
	Joyce, Ryan (FWE) (ryan.joyce@state.ma.us)		

Good afternoon:

I am emailing to inform you all that we experienced a small sewage spill yesterday at Pump Station "A" [PS A] which is located at the base of Valley Beach Rd. The spill resulted from a ruptured discharge hose on a diesel trash pump that we were operating out at the station, since the back-up portable generator for emergency power failed to operate. The discharge hose from the portable pump was hooked up to the force main bypass connection. This incident occurred at 5:15pm.

Two staff members were attending the pump and able to stop the overflow quickly, by closing the force main isolation valve, and shutting the pump off.

The conditions that led to this were as follows:

- The portable generator for PS A, which is used for back-up power supply has been problematic in recent weeks. The generator service company has had multiple site visits to address issues over past 1-2 weeks. Wiring and corrosion issues have been identified and all new protection sensors were already on order.
- The Town experienced a town-wide power loss due the winter snowstorm on 3/13/18.
- The portable generator was already set up at this pump station, and the unit had been operated and tested on the previous day with good performance and experienced no issues.
- The generator would not stay running when put into service on 3/13. Multiple attempts to start did not work. Outside weather conditions caused for entire unit to be covered with snow & moisture.
- Attempts to dry wires and restart did not work.
- Two different portable pumps were brought out to the pump station in an attempt to pump from the wet well into the force main. The larger pump would not stay running, and the smaller pump could not overcome the discharge head.
- There was no overflow from the wet well. This was closely monitored. Several calls were made to pumping companies, but no one was able to respond due to the weather conditions.
- With the larger pump in use, one of the discharge hoses developed a crack and split away from the quick connect fitting, causing the release of sewage onto the ground.
- The estimate was "less than 100 gallons". Total gallons spilled is hard to determine due to the snow/sleet, spray.

A full SSO report will be completed and submitted.

Should you need additional information or have any questions, please don't hesitate to contact me.

Sincerely,

Aram

Aram Varjabedian
Plant Manager
Hull Wastewater Treatment Facility
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